STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
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Application Serial Number: _10/588,124_

Source: _1 FWP_

Date Processed by STIC: _8/10/06_

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Revised 01/10/06

IFWP

RAW SEQUENCE LISTING   DATE: 08/10/2006
PATENT APPLICATION: US/10/588,124   TIME: 11:01:30

Input Set : A:\L7350.0010 SEQUENCE LISTING.txt
Output Set: N:\CRF4\08102006\J588124.raw

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     3 <110> APPLICANT: Locomogene,Inc.,
     4       St. Marianna University School of Medicine
     5       Ohta, Tomohiko
     7 <120> TITLE OF INVENTION: CARCINOSTATIC METHOD USING BRCA1-BARD1 PATHWAY
     9 <130> FILE REFERENCE: PCT05-0001
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/588,124
C--> 11 <141> CURRENT FILING DATE: 2006-08-01
    11 <150> PRIOR APPLICATION NUMBER: US60/541287
    12 <151> PRIOR FILING DATE: 2004-02-02
    14 <160> NUMBER OF SEQ ID NOS: 24
    16 <170> SOFTWARE: PatentIn version 3.2
    18 <210> SEQ ID NO: 1
    19 <211> LENGTH: 1333
    20 <212> TYPE: DNA
    21 <213> ORGANISM: Homo sapiens
    24 <220> FEATURE:
    25 <221> NAME/KEY: CDS
    26 <222> LOCATION: (101)..(985)
    28 <400> SEQUENCE: 1
    29 ggggccctgg tgtgattccg tcctgcgcgg ttgttctctg gagcagcgtt cttttatctc       60
    31 cgtccgcctt ctctcctacc taagtgcgtg ccgccacccg atg gaa gat tcg atg      115
    32                                              Met Glu Asp Ser Met
    33                                              1               5
    35 gac atg gac atg agc ccc ctg agg ccc cag aac tat ctt ttc ggt tgt      163
    36 Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn Tyr Leu Phe Gly Cys
    37               10              15                  20
    39 gaa cta aag gcc gac aaa gat tat cac ttt aag gtg gat aat gat gaa      211
    40 Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys Val Asp Asn Asp Glu
    41               25              30                  35
    43 aat gag cac cag tta tct tta aga acg gtc agt tta ggg gct ggt gca      259
    44 Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu Gly Ala Gly Ala
    45           40              45                  50
    47 aag gat gag ttg cac att gtt gaa gca gag gca atg aat tac gaa ggc      307
    48 Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala Met Asn Tyr Glu Gly
    49       55              60                  65
    51 agt cca att aaa gta aca ctg gca act ttg aaa atg tct gta cag cca      355
    52 Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys Met Ser Val Gln Pro
    53 70              75                  80                  85
    55 acg gtt tcc ctt ggg ggc ttt gaa ata aca cca cca gtg gtc tta agg      403
    56 Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro Val Val Leu Arg
    57               90                  95                  100
    59 ttg aag tgt ggt tca ggg cca gtg cat att agt gga cag cac tta gta      451
    60 Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser Gly Gln His Leu Val
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PATENT APPLICATION: US/10/588,124   TIME: 11:01:30

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63 gct gtg gag gaa gat gca gag tca gaa gat gaa gag gag gag gat gtg      499
64 Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu Glu Glu Glu Asp Val
65          120                 125                 130
67 aaa ctc tta agt ata tct gga aag cgg tct gcc cct gga ggt ggt agc      547
68 Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala Pro Gly Gly Gly Ser
69       135                 140                 145
71 aag gtt cca cag aaa aaa gta aaa ctt gct gct gat gaa gat gat gac      595
72 Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala Asp Glu Asp Asp Asp
73 150                 155                 160              165
75 gat gat gat gaa gag gat gat gat gaa gat gat gat gat gat gat ttt      643
76 Asp Asp Asp Glu Glu Asp Asp Asp Glu Asp Asp Asp Asp Asp Asp Phe
77                 170                 175                 180
79 gat gat gag gaa gct gaa gaa aaa gcg cca gtg aag aaa tct ata cga      691
80 Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val Lys Lys Ser Ile Arg
81          185                 190                 195
83 gat act cca gcc aaa aat gca caa aag tca aat cag aat gga aaa gac      739
84 Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn Gln Asn Gly Lys Asp
85          200                 205                 210
87 tca aaa cca tca tca aca cca aga tca aaa gga caa gaa tcc ttc aag      787
88 Ser Lys Pro Ser Ser Thr Pro Arg Ser Lys Gly Gln Glu Ser Phe Lys
89       215                 220                 225
91 aaa cag gaa aaa act cct aaa aca cca aaa gga cct agt tct gta gaa      835
92 Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly Pro Ser Ser Val Glu
93 230                 235                 240              245
95 gac att aaa gca aaa atg caa gca agt ata gaa aaa ggt ggt tct ctt      883
96 Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu Lys Gly Gly Ser Leu
97                 250                 255                 260
99 ccc aaa gtg gaa gcc aaa ttc atc aat tat gtg aag aat tgc ttc cgg      931
100 Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys Asn Cys Phe Arg
101          265                 270                 275
103 atg act gac caa gag gct att caa gat ctc tgg cag tgg agg aag tct     979
104 Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln Trp Arg Lys Ser
105          280                 285                 290
107 ctt taa gaaaatagtt taaacaattt gttaaaaaat tttccgtctt atttcatttc     1035
108 Leu
111 tgtaacagtt gatatctggc tgtccttttt ataatgcaga gtgagaactt tccctaccgt    1095
113 gtttgataaa tgttgtccag gttctattgc caagaatgtg ttgtccaaaa tgcctgttta    1155
115 gtttttaaag atggaactcc acccctttgct tggttttaag tatgtatgga atgttatgat    1215
117 aggacatagt agtagcggtg gtcagacatg gaaatggtgg ggagacaaaa atatacatgt    1275
119 gaaataaaac tcagtatttt aataaaataa aaaaaaaaa aaaaaaaaa aaaaaaa          1333
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123 <211> LENGTH: 294
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 2
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130 1               5                   10                  15
133 Tyr Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys
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        RAW SEQUENCE LISTING                    DATE: 08/10/2006
        PATENT APPLICATION:  US/10/588,124      TIME: 11:01:30

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        Output Set: N:\CRF4\08102006\J588124.raw
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134              20                25                30
137 Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser
138         35                40                45
141 Leu Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala
142     50                55                60
145 Met Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys
146 65                70                75                80
149 Met Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro
150              85                90                95
153 Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser
154         100               105               110
157 Gly Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu
158         115               120               125
161 Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala
162     130               135               140
165 Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala
166 145               150               155               160
169 Asp Glu Asp Asp Asp Asp Asp Asp Glu Glu Asp Asp Asp Glu Asp Asp
170              165               170               175
173 Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val
174         180               185               190
177 Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
178         195               200               205
181 Gln Asn Gly Lys Asp Ser Lys Pro Ser Ser Thr Pro Arg Ser Lys Gly
182     210               215               220
185 Gln Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly
186 225               230               235               240
189 Pro Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu
190              245               250               255
193 Lys Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val
194         260               265               270
197 Lys Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp
198         275               280               285
201 Gln Trp Arg Lys Ser Leu
202      290
205 <210> SEQ ID NO: 3
206 <211> LENGTH: 12
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer
213 <400> SEQUENCE: 3
215 Cys Val Met Ser Phe Glu Leu Leu Pro Leu Asp Ser
216 1               5                10
219 <210> SEQ ID NO: 4
220 <211> LENGTH: 8
221 <212> TYPE: PRT
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 4
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(circled "primer") → a primer is not an amino acid sequence

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226 Ala Asp Lys Asp Tyr His Phe Lys
227 1                   5
230 <210> SEQ ID NO: 5
231 <211> LENGTH: 13
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 5
237 Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg
238 1                   5                   10
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242 <211> LENGTH: 9
243 <212> TYPE: PRT
244 <213> ORGANISM: Homo sapiens
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249 1                   5
252 <210> SEQ ID NO: 7
253 <211> LENGTH: 7
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 7
259 Val Thr Leu Ala Thr Leu Lys
260 1                   5
263 <210> SEQ ID NO: 8
264 <211> LENGTH: 13
265 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 8
270 Ser Ala Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys
271 1                   5                   10
274 <210> SEQ ID NO: 9
275 <211> LENGTH: 4
276 <212> TYPE: PRT
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 9
281 Val Pro Gln Lys
282 1
285 <210> SEQ ID NO: 10
286 <211> LENGTH: 15
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 10
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293 1                   5                   10                  15
296 <210> SEQ ID NO: 11
297 <211> LENGTH: 13
298 <212> TYPE: PRT
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 11
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308 <211> LENGTH: 11
309 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
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315 1               5                   10
318 <210> SEQ ID NO: 13
319 <211> LENGTH: 14
320 <212> TYPE: PRT
321 <213> ORGANISM: Homo sapiens
323 <400> SEQUENCE: 13
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330 <211> LENGTH: 6
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 14
336 Gly Gln Glu Ser Phe Lys
337 1               5
340 <210> SEQ ID NO: 15
341 <211> LENGTH: 4
342 <212> TYPE: PRT
343 <213> ORGANISM: Homo sapiens
345 <400> SEQUENCE: 15
347 Lys Gln Glu Lys
348 1
351 <210> SEQ ID NO: 16
352 <211> LENGTH: 9
353 <212> TYPE: PRT
354 <213> ORGANISM: Homo sapiens
356 <400> SEQUENCE: 16
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359 1               5
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363 <211> LENGTH: 13
364 <212> TYPE: PRT
365 <213> ORGANISM: Homo sapiens
367 <400> SEQUENCE: 17
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370 1               5                   10
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374 <211> LENGTH: 10
375 <212> TYPE: PRT
376 <213> ORGANISM: Homo sapiens
378 <400> SEQUENCE: 18
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6

Input Set : **A:\L7350.0010 SEQUENCE LISTING.txt**
Output Set: **N:\CRF4\08102006\J588124.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date